

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method comprising:
 - receiving a signal from a source over a network;
 - preprocessing the signal to determine a transmission destination;
 - determining a signal path and a processing algorithm from a plurality of signal processing algorithms based on the transmission destination;
 - processing the ~~voice~~ signal according to the determined algorithm; and
 - sending the processed signal to the transmission destination ~~associated address~~.
2. (Currently Amended) The method of claim 1, wherein determining the processing algorithm comprises matching finding in a database lookup table entry memory and a signal processing algorithm, such that the signal processing algorithm ~~that~~ is configured to optimize the signal for the determined transmission destination.
3. (Currently Amended) The method of claim 1, further comprising:
 - determining the originator of the ~~voice~~ signal, if the determined transmission destination is a human recipient; and
 - if the determined originator is a computer-based system, alerting the recipient that the voice signal is from a computer-based system.
4. (Currently Amended) A method comprising:
 - receiving at a user input unit selecting an address for a voice transmission;
 - directly receiving at the a user input unit a phonation inputted for the ~~voice~~ transmission;
 - ~~preprocessing the voice transmission based upon the selected address;~~
 - if the selected address is associated with a speech recognition device, processing the received phonation at the user input unit according to an algorithm associated

with the speech recognition device and sending the processed phonation to the selected address transmission destination; and

if the selected address is not associated with a speech recognition device, processing the received phonation at the user input unit according to an algorithm associated with human auditory apparatus ~~the speech recognition device~~ and sending the processed phonation to the selected address ~~sending the received phonation to the selected transmission destination according to a delivery method associated with human recipients.~~

5. (Currently Amended) The method of Claim 4, further comprising:

switching the destination from an address transmission destination associated with a human recipient to an address transmission destination associated with a speech recognition device;

sending a switch signal to the user input unit based on the switched address transmission destination; and

sending the received phonation to the selected address transmission destination according to a delivery method associated with human recipients.

6. (Currently Amended) The method of Claim 4, further comprising:

switching the address transmission destination from an address transmission destination associated with a speech recognition device to an address transmission destination associated with a human recipient;

sending a switch signal to the user input unit based on the switched address transmission destination; and

processing the received phonation according to an algorithm associated with the speech recognition device and sending the processed phonation to the selected address transmission destination.

7. (Currently Amended) A method comprising:

sending a signal from a user input source to a transmission destination according to an address associated with a generated phonation and preprocessing the signal to generate a change signal; and

if the transmission destination is a speech recognition server, sending the change signal from the transmission destination to the user input source, determining a signal path, generating a phonation for reception by a speech recognition server, and sending the newly processed phonation, otherwise generating a phonation at the user input source for reception by a human recipient.

8. (Currently Amended) A computer-based device comprising:

a receiving component configured to receive a ~~voice~~ signal from a source over a network;

a preprocessing component configured to determine a transmission destination and to determine from the destination a signal path;

a processing component configured to determine a ~~address associated with the received signal~~, determine signal processing algorithm from a plurality of signal processing algorithms based on the transmission destination ~~determined address~~, and process the ~~voice~~ signal according to the determined algorithm; and

a delivery component configured to send the processed signal to the transmission destination ~~associated address~~.

9. (Previously Presented) The device of Claim 8, further comprising memory configured to store addresses with an associated signal processing algorithm, wherein the processing component finds in memory a signal processing algorithm that is associated with optimizing the signal for transmission to the determined transmission destination address.

10. (Original) The device of Claim 8, further comprising an alert component configured to alert the recipient that the voice signal is from a computer-based system, if the source is a computer-based system.

11. (Currently Amended) A computer-based device comprising:

a first ~~preprocessor~~ component configured to select an address for a voice transmission;

a second ~~preprocessor~~ component configured to receive a phonation directly inputted at a user input for the voice transmission;

a third component configured to determine a signal path based on the address;

a fourth ~~third preprocessor~~ component configured to process the received phonation according to an algorithm associated with a speech recognition device, if the selected address is associated with a speech recognition device and send the processed phonation to a the selected transmission destination; and

a fifth ~~fourth preprocessor~~ component configured to process the received phonation at the user input unit according to an algorithm associated with human auditory apparatus and send the processed phonation to the selected address ~~send the received phonation to the selected transmission destination according to a delivery method associated with human recipients,~~ if the selected address is not associated with a speech recognition device.

12. (Currently Amended) A computer-based device comprising:

a first ~~preprocessor~~ component configured to process a phonation at a user input source for reception by a human recipient;

a second ~~preprocessor~~ component configured to send the processed phonation to a transmission destination according to an address associated with the phonation on a determined signal path;

a third ~~preprocessor~~ component configured to receive a change signal from the transmission destination; and

a fourth ~~preprocessor~~ component configured to process a next phonation for reception by a speech recognition server according to a received change signal, and send the newly processed phonation to the transmission destination on the signal path.

13. (Currently Amended) An apparatus comprising:

means for receiving a voice signal from a source over a network;

means for preprocessing the signal to determine ~~determining~~ a transmission destination associated with the received signal;

means for determining a signal path and a processing algorithm from a plurality of signal processing algorithms based on the determined address;

means for processing the voice signal according to the determined algorithm; and

means for sending the processed signal to the transmission destination ~~associated~~ address.

14. (Currently Amended) An apparatus comprising:

means for receiving at a user input unit ~~selecting~~ an address for a transmission;

means for directly receiving at the user input unit a phonation inputted for the ~~voice~~ transmission;

~~means for preprocessing the voice transmission based on transmission destination;~~

if the selected address is associated with a speech recognition device, means for processing the received phonation at the a user input unit according to an algorithm associated with the speech recognition device and means for sending the processed phonation to the selected transmission destination; and

if the selected address is not associated with a speech recognition device, processing the received phonation at the user input unit according to an algorithm associated

with human auditory means ~~the speech recognition device~~ and sending the processed phonation to the selected address ~~sending the received phonation to the selected transmission destination according to a delivery method associated with human recipients.~~

15. (Currently Amended) An apparatus comprising:

means for processing a phonation at a user input source for reception by a human recipient;

means for sending the processed phonation to a transmission destination according to an address associated with the phonation on a determined signal path; and

if the destination is a speech recognition server, means for sending a change signal from the transmission destination to the user input source, means for processing a next phonation for reception by a speech recognition server, and means for sending the newly processed phonation on the signal path.

16. (Currently Amended) A method comprising:

receiving a signal from a source over a network;

preprocessing the signal to determine a transmission destination;

searching a database lookup table ~~stored memory~~ for the transmission destination in order to determine a signal path and match the transmission destination to a signal processing algorithm from a plurality of signal processing algorithms;

executing an optimization algorithm on the signal; and

transmitting the optimized signal on the signal path to the transmission destination.

17. (Currently Amended) The method of Claim 16, wherein establishing a signal path further comprise establishing a single signal path ~~wherein the signal is transmitted using dual tone multiple frequency tones.~~

18. (New) The method of Claim 17, where establishing a single signal path further comprises establishing a single signal path capable of carrying voice and data signals.

19. (New) A method for preprocessing telephonic data comprising:

receiving a first signal from a source over a network;

preprocessing the first signal to determine a transmission destination;

searching a database lookup table for the transmission destination in order to match the transmission destination to a signal processing algorithm from a plurality of signal processing algorithms;

receiving a second signal from the source over the network

executing an optimization algorithm on the second signal; and

transmitting the optimized second signal on a determined signal path to the transmission destination.